

REMARKS

As requested in the accompanying Request for Change of Correspondence Address, applicant requests that future correspondence regarding this application be directed as follows:

Roger R. Wise  
Pillsbury Winthrop LLP  
725 South Figueroa Street, Ste. 2800  
Los Angeles, CA 90017

Claims 1-30 are pending. Claims 1, 15, 27, and 30 have been amended. No new matter has been introduced. Reexamination and reconsideration of the present application are respectfully requested.

In the April 23, 2003 Office Action and the July 14, 2003 Supplemental Office Action, the Examiner objected to FIGS. 3,4,5,7, and 9 for having margins that were too small. Applicants have amended these FIGS. as shown in red to increase the margins per the Examiner's request, and believe the drawings to be allowable. Applicants have also attached substitute formal drawings for FIGS. 3, 4, 5, 7, and 9.

In the April 23, 2003 Office Action, the Examiner rejected claims 1-30. The Examiner rejected claims 1, 5, 6, 10, 15, 19, and 30 under 35 U.S.C. § 103(a) as being obvious in view of a combination of (a) U.S. patent number 6,263,387 to Chrabaszcz ("Chrabaszcz"), (b) an article entitled "Internet Printing" by Thambidurai et al. ("Thambidurai"), and (c) U.S. patent number 5,867,730 to Leyda ("Leyda"). Claim 27 was rejected under 35 U.S.C. § 103(a) as being obvious in view of a combination of (a) Chrabaszcz, (b) Thambidurai, and (c) U.S. Patent No. 6,301,012 to White (White). Claims 2,3,11,16,17,22, and 28 were rejected under 35 U.S.C. § 103(a) as being

obvious in view of a combination of (a) Chrabaszcz, (b) Thambidurai, (c) Leyda, and (d) U.S. Patent No. 5,822,565 to DeRosa Jr. et al. ("DeRosa"). The Examiner rejected claims 4 and 18 under 35 U.S.C. § 103(a) as being obvious in view of a combination of (a) Chrabaszcz, (b) Thambidurai, (c) Leyda, (d) DeRosa, and (e) White. The Examiner rejected claims 7-90, 12-14, 20-21, 23-26, and 29 under 35 U.S.C. § 103(a) as being obvious in view of a combination of (a) Chrabaszcz, (b) Thambidurai, (c) Leyda, (d) DeRosa, and (e) the Admitted Prior Art ("APA"). These rejections are respectfully traversed.

In the July 14, 2003 Supplemental Office Action, the Examiner rejected claims 1-30. Claims 1-26, 28, and 30 were rejected for the same reasons as those set forth in the April 23, 2003 Office Action. Claim 28 was rejected under 35 U.S.C. § 103(a) as being obvious in view of a combination of (a) Chrabaszcz, (b) Thambidurai, and (c) White. Claim 29 was rejected under 35 U.S.C. § 103(a) as being obvious in view of a combination of (a) Chrabaszcz, (b) Thambidurai, (c) White, and (d) the APA. These rejections are respectfully traversed.

Embodiments of the present invention relate to a method of identifying and installing a device driver on a computer based upon device information associated with a previous installation of the device driver, where the device is connected to the computer via a local area network.

The Examiner stated that Chrabaszcz teaches preparing a server to retrieve a first device identification from a memory of a peripheral device, where the server, the peripheral device, and the computer are connected via a computer network. The Examiner noted that Chrabaszcz does not teach a print server, but took Official Notice

that it would have been obvious that the teachings of Chrabaszcz could apply to a print server and a printer that connects to the print server so multiple users can share it.

The Examiner further stated that Chrabaszcz does not teach comparing the first device identification to device names on a list of names associated with device drivers, where the list and the drivers are stored in a memory of the computer, and selecting an associated driver if the first device identification matches one of the names.

However, the Examiner stated that Thambidurai teaches an Internet printing system where the print driver can be installed either in the user's computers or in the print server. The Examiner also stated that Leyda teaches comparing the first device identification to device names on a list of names associated with device drivers, and that the list and the drivers are stored in a memory of the computer.

The Examiner stated that White teaches preparing a print server to determine if a current installation of the printer drivers is a first installation of the printer drivers, and installing the printer drivers in the computer based upon the information associated with the first installation. The Examiner also stated that DeRosa teaches that a device identifier typically includes a vendor identifier and a device number. The Examiner further stated that the applicants' APA teaches device identifications conforming to an IEEE 1284 signaling standard.

**Independent claim 1**, as amended, recites (with emphasis added):

1. A method of configuring a computer for installation of a peripheral device, the method comprising:

*preparing a print server to retrieve a first device identification from a memory of the peripheral device, the print server, the peripheral device, and the computer being connected via a local area network;*

*comparing the first device identification to device names on a list of names associated with device drivers, the list and the drivers being stored in a memory of the computer connected to the peripheral device via the local area network;*

and

selecting for use an associated driver if the first device identification matches one of the names.

**Chrabaszcz** teaches installing a driver for a device connected to the bus system of a server (col. 2, lines 54-59). For example, in one embodiment a device may be a mass storage adapter or network adapter that is connected to the computer via a PCI, SCSI, or ISA bus system (col. 6, lines 37-42). In another embodiment, adapters are installed in "canisters" which are housings for a detachable bus system and provide multiple PC slots (col. 7, lines 11-22).

However, *Chrabaszcz does not teach preparing a print server to retrieve a first device identification from a memory of the peripheral device, the print server, the peripheral device, and the computer being connected via a local area network* as recited in independent claim 1, as amended. **Chrabaszcz** teaches preparing a server to retrieve identification from the memory of a device "that may be coupled to a bus system of the server" (col. 2, lines 58-60). However, a device coupled to a bus system of the server is **not** a *peripheral device ... connected via a local area network*. Thus, **Chrabaszcz** does not teach installing a device connected to a computer *via a local area network* as recited in independent claim 1, as amended.

The Examiner concedes that **Chrabaszcz** does not teach the remaining elements of independent claim 1, as originally filed. As amended, independent claim 1 has the added limitation that devices are *connected via a local area network*. Thus, **Chrabaszcz** does not disclose, teach, or suggest the remaining elements of independent claim 1, as amended. Therefore, independent claim 1, as amended, distinguishes over **Chrabaszcz**.

**Leyda** does not make up for the deficiencies in Chrabaszcz. Leyda teaches installing and configuring a peripheral device such as a CD-ROM drive connected to a computer via a bus system such as SCSI or IDE (col. 6, line 36, col. 10, line 46). Peripheral device information is retrieved and compared with a list of drivers stored in the memory of the computer connected to the peripheral devices via a bus system (col. 7, line 33).

Leyda teaches a list of drivers stored in the memory of a computer connected to the device via a bus system. However, Leyda does not disclose, teach, or suggest, alone or in combination with Chrabaszcz, *the list and the drivers being stored in a memory of the computer connected to the peripheral device via the local area network* as recited in independent claim 1, as amended. Therefore, independent claim 1, as amended, distinguishes over Leyda, alone or in combination with Chrabaszcz.

**Thambidurai** does not make up for the deficiencies in Chrabaszcz and Leyda. Thambidurai teaches an Internet printing system wherein the print driver can be installed either in the user's computer or at a "remote Internet printer" site (page 8). However, Thambidurai does not disclose, teach, or suggest, alone or in combination with any of Chrabaszcz and Leyda, *the print server, the peripheral device, and the computer being connected via a local area network* as recited in independent claim 1, as amended. Therefore, independent claim 1, as amended, distinguishes over Thambidurai, alone or in combination with any of Chrabaszcz and Leyda.

**White** does not make up for the deficiencies in Chrabaszcz, Thambidurai and Leyda. White discloses a cache with entries containing configuration information about specific printers (col. 4, lines 40-43). However, White does not disclose, teach, or

suggest, alone or in combination with any of Chrabaszcz, Thambidurai, and Leyda, a *list of names associated with device drivers* as recited in independent claim 1, as amended. Therefore, independent claim 1, as amended, distinguishes over White, alone or in combination with any of Chrabaszcz, Leyda, and Thambidurai.

**DeRosa** does not make up for the deficiencies in Chrabaszcz, Thambidurai, Leyda, and White. DeRosa discloses a method of configuring a new peripheral device on a network without user intervention. However, DeRosa does not disclose, teach, or suggest, alone or in combination with any of Chrabaszcz, Thambidurai, Leyda, and White, *the print server, the peripheral device, and the computer being connected via a local area network* as recited in independent claim 1, as amended. Therefore, independent claim 1, as amended, distinguishes over DeRosa, alone or in combination with any of Chrabaszcz, Leyda, Thambidurai, and White.

The **APA** does not make up for the deficiencies in Chrabaszcz, Thambidurai, Leyda, White, and DeRosa. The APA discloses the IEEE 1284 signaling standard. However, the APA does not disclose, teach, or suggest, alone or in combination with any of Chrabaszcz, Thambidurai, Leyda, White, or DeRosa, *the print server, the peripheral device, and the computer being connected via a local area network* as recited in independent claim 1, as amended. Therefore, independent claim 1, as amended, distinguishes over the APA alone or in combination with any of Chrabaszcz, Leyda, Thambidurai, White, and DeRosa.

Claims 2-14 depend, directly or indirectly, from independent claim 1, as amended, and therefore also distinguish over Chrabaszcz, Leyda, Thambidurai, White, DeRosa, and the APA, alone or in combination, for the same reasons as those set forth

above with respect to independent claim 1, as amended. Independent claims 15, 27, and 30, all as amended, each recite limitations similar to those of independent claim 1, as amended, and therefore also distinguish over Chrabaszcz, Leyda, Thambidurai, White, DeRosa, and the APA, alone or in combination, for reasons similar to those set forth above with respect to independent claim 1, as amended. Claims 16-26 depend, directly or indirectly, from independent claim 15, as amended, and therefore also distinguish over Chrabaszcz, Leyda, Thambidurai, White, DeRosa, and the APA, alone or in combination, for the same reasons as those set forth above with respect to independent claim 15, as amended. Claims 28 and 29 depend, directly or indirectly, from independent claim 27, as amended, and therefore also distinguish over Chrabaszcz, Leyda, Thambidurai, White, DeRosa, and the APA, alone or in combination, for the same reasons as those set forth above with respect to independent claim 27, as amended.

Accordingly, applicants respectfully submit that the rejection of claims 1-30 under 35 U.S.C. §103(b) should be withdrawn.

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Applicants believe that the foregoing amendments place the application in condition for allowance, and a favorable action is respectfully requested. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call either of the undersigned attorneys at the Los Angeles telephone number (213) 488-7100 to discuss the steps necessary for placing the application in condition for allowance should the Examiner believe that such a telephone conference would advance prosecution of the application.

Respectfully submitted,

PILLSBURY WINTHROP LLP

Date: July 23, 2003

By: James M. Wakely  
James M. Wakely  
Registration No. 48,597  
Attorney For Applicants

Date: July 23, 2003

By: Roger R. Wise  
Roger R. Wise  
Registration No. 31,204  
Attorney For Applicants

725 South Figueroa Street, Suite 2800  
Los Angeles, CA 90017-5406  
Telephone: (213) 488-7100  
Facsimile: (213) 629-1033

## APPENDIX

### **VERSION WITH MARKINGS TO SHOW CHANGES MADE**

#### IN THE DRAWINGS:

Please amend FIGS. 3, 4, 5, 7, and 9 as shown in red in the attached copies of the original drawings. Specifically, the margins have been increased per the Examiner's request. Substitute formal drawings are also enclosed.

#### IN THE CLAIMS:

Please amend claims 1, 15, 27, and 30 as follows:

1. (Amended) A method of configuring a computer for installation of a peripheral device, the method comprising:

preparing a print server to retrieve a first device identification from a memory of the peripheral device, the print server, the peripheral device, and the computer being connected via a local area [computer] network;

comparing the first device identification to device names on a list of names associated with device drivers, the list and the drivers being stored in a memory of the computer connected to the peripheral device via the local area network; and

selecting for use an associated driver if the first device identification matches one of the names.

15. (Amended) An apparatus comprising:

a local area [computer] network including a number of computer devices

connected thereto, the computer devices including a print server, a computer, and at least one printer;

a memory in the at least one printer for storing a first printer identification data string; and

a processor associated with the computer including (i) a comparator for comparing the first data string to a device name on a list of device drivers stored in a memory of the computer connected to the at least one printer via the local area network, and (ii) a selector selecting a driver from the list if the first identification data string matches one of the names.

27. (Amended) A method of installing printer drivers in a computer of a computer system, the computer system also including a printer and a print server, the computer, the printer, and the print server being connected via a local area [computer] network, the method comprising:

preparing the print server to determine if a current installation of the printer drivers is a first installation of the printer drivers;

installing the printer drivers in the computer if the current installation is the first installation and storing information associated with the current installation in a memory of the print server;

retrieving information associated with the first installation from the memory only if the current installation is not the first installation, the information associated with the first installation including a first identification data string;

retrieving a current identification data string from a memory of the printer

connected to the computer via the local area network, the current identification data string being associated with the current installation; comparing the first data string with the current data string; and installing the printer drivers in the computer based upon the information associated with the first installation only if the first data string matches the current data string.

30. (Amended) An article of manufacture comprising a machine readable medium having recorded thereon instructions, such that when the instructions are read into a memory of a computer processor and executed, the instructions cause the computer processor to:

retrieve a first device identification from a memory of a peripheral device, the computer processor, the peripheral device, and a computer being connected via a local area [computer] network;

compare the first device identification to device names on a list of names associated with device drivers, the list stored in a memory of the computer connected to the peripheral device via the local area network; and

select for use an associated driver from the list if the first device identification matches on of the names.